

HAMATEUR CHATTER

One of the World's Oldest Continuously Active Radio Amateur Clubs - since 1917

Volume 10 No. 3 - July, '02

club officers

President (262) 965-3860
Patrick Moretti W9UQ

Vice Pres. (414) 357-6522
Mark Tellier AB9CD

Secretary (414) 529-2512
Tom Schulte AB9EK

Treasurer (414) 744-6870
Lester Hundt AB9EY

Board of Directors

Pancho Doneis KA9OFA
(01-03) (414) 344-4694

Tom Fuszard KF9PU
(02-04) (262) 789-7975

John Merkl WB9PSE
(01-03) (414) 259-9091

Brian White K9LCQ
(02-04) K9LCQ@arrl.net

Vacant seat
(01-03)

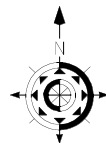
Hamateur Chatter Editor

Pancho Doneis KA9OFA
(414) 344-4694

Mailings

John Merkl WB9PSE
(414) 259-9091

From The President's Desk



How do I start this? A letter to the membership - a friendly chat of self-introduction? I don't think so actually. Who I am matters very little here. What matters is whom you are and what you want to contribute.

Taking on the role of President of the MRAC, I have to follow in some awesome footsteps! Dave's leadership and perseverance has brought this club to its current status. I know that we will never be able to thank him enough! I certainly hope to be able (with your help) to maintain the level of club well being that the MRAC has displayed.

Over the last year I have met a group of wonderfully supportive people. People who came out to help with testing as Volunteer Examiners, people who donated their time freely to teach various Amateur classes, people who came out and help set-up Field Day stations, people who spent their own free time helping others. All without a thought of any kind of compensation other than the occasional "thank-you" and the recognition/satisfaction that comes from a job well done.

Patrick Moretti - WB9UQ

Over this next year I hope to bring active members out of the woodwork. What do I mean by active? Well... let's see. What programs do you want to present? Which class can you teach? Which of the local Hamfests do you want to attend as a club sponsor? (Yes that means sitting at a table and fielding questions.) Talking of Hamfests... one of my pet projects is to create a "Greater Milwaukee Hamvention" The concept has a lot of potential, but requires a lot of ground work. It needs to draw upon the resources of many of the area clubs and will certainly be a taxing experience - but the rewards will be tremendous in both local publicity for Amateur Radio, and in unifying some of the same clubs that seem to point at each other in less than amicable ways... Most of us are members of more than one club; let's float the idea and see what reactions we can get. We can have an open discussion at a club meeting some time.

My Agenda: (yes I have one after all...)

Continued on pg 2

Milwaukee Area Nets

DAY	TIME	MHz	ACTIVITY
Daily	6-8 AM	14.290	Wisconsin/Florida (SSB)
Daily	6:30 PM	3.645	WI Slow Speed CW Traffic
Mon-Fri	8:30 AM	3.965	After Breakfast Club (SSB)
Mon.	8:00 PM	3.994	Tech Net
Mon.	8:00 PM	146.445	Emergency Net
Mon.	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
Mon.	9:00 PM	50.160	6 Mtr. General Net
Tue.	9:00 AM	50.160	6 Mtr. 2nd Shifter's Net
Tue.	8:00 PM	144.250	Badger Contesters (SSB)
Tue.	8:00 PM	7.035	A.F.A.R. (CW)
Wed.	8:00 PM	28.365	10/10 Internat. (Milwaukee Ch.) (SSB)
Wed.	8:00 PM	147.270+	Weather & Swap net.

DAY	TIME	MHz	ACTIVITY
Thu	9:00 PM	50.160	6 Mtr. General Interest Net
Thu.	9:00 PM	146.91 -	Computer Net
Fri	8:30 PM	28.490	MRAC W9RH 10 meter Net (SSB)
Fri.	9:00 PM	147.045+	W9RH 2 mtr. FM Net after 10 mtr. Net
Sat	9:00 PM	146.910-	Saturday Night Fun Net
Sun.	8:30 AM	3.985	QCWA (Chptr 55) (SSB)
Sun.	10:00 AM	443.800+	FM-38 link to 146.88 Baraboo SWAP Net
Sun.	8:00 PM	28.365	10/10 International (Milwaukee Ch.) (SSB)
Sun.	8:00 PM	146.91-	Information Net
Sun.	9:00 PM	146.91-	Swap Net

Two meter (FM) Frequencies are 600 KHz offset repeaters. FM 38 is + 5 MHz. Ten meter (SSB) frequencies are upper sideband (USB).

1. More classes – find a way to run more than one session at a time. One on a week day, the other on a week-end. Maybe one on the north side = “AES and vicinity” and one on the West Side...

2. Did I say more classes?

3. Well defined and advertised monthly programs—to that end: What would you like to see?

4. Practical – hands on exercises. Part of each meeting devoted

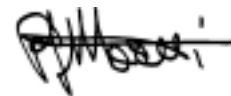
to some aspect of Ham Radio. Sol-
dering classes – Morse sending –
Putting a PL-259 (or BNC connec-
tor) on a coax. Something that is not
the whole meeting, but rather a
quickie side thing that gets some of
the Elmers busy demonstrating a par-
ticular skill to the rest of us. More at
each meeting... Looking for ideas
here!

5. Follow up on the opportunity
at the Public Museum. This club is

the ideal vehicle for supporting this
adventure!

Finally – who am I really? Just
another guy that really likes Ham
Radio and wants to give back to the
hobby... as should we all!

73 de



Remember to USE Our Repeater 145.045 MHz +.

Our repeater is a quiet one because YOU make and keep it that way.

Membership Meeting June 27, 2002

Milwaukee Radio Amateurs' Club

Membership Meeting June 27, 2002

The meeting was called to order by
Club President Dave - WB9BWP, at
7:05pm. Meeting was held in the
basement of Redemption Lutheran
Church. There were no minutes for the
May meeting because that was the
yearly auction meeting. The
microphone was passed for everyone
to ID.

The Treasurer, Les - AB9EY, reports
that the Club assets from May 15, 2002
to June 15, 2002 are \$5,736.98 and the
CD is at \$5,666.24. Total Club monetary
assets are \$11,403.22.

Dave reports that we will have to find
a new home for the repeater within the
next year. If anyone has any suggestions
please let a board member know. The
change in the repeater frequencies is
still on hold. The Wisconsin
Association of Repeaters (WAR) is
waiting to hear from the Repeater
Association in Illinois. When the
frequencies change you will be notified.

Field Day was a success. For those
who were unable to attend you missed

out on a good time. Jerry - WA9CGE,
Field Day chairman reported that we
had a total of 400 plus contacts. Jim -
WB9LNU, copied the W1AW Field
Day message in CW and Jerry -
WA9CGE also copied the message on
PSK31. We had a solar station, a QRP
setup, PSK31, Satellite station and a
Get on the Air Station. Patrick - W9UQ,
brought the movie “Frequency” along
and we all had a good time watching it
on Saturday night. Dick - WB9PTC,
came out and did CW. We had 14 plus
visitors including a Russian student
who we tried to get to talk to the Space
Station, but we were unable to make
contact. Dave handed out certificates
for last years Field Day to Jim -
WB9LMU and John - WB9PSE.

Jerry - WA9CGE, stated that Norm
Russell - KB9GQX, passed away on
June 9th. He had a card for those who
knew Norm to sign.

Dave - WB9BWP, gave a short
speech, as outgoing President. He spoke
about the old officers and those who
were staying on as board members. He
introduced the new Club officers for
the next two years. The new officers
are; President--Patrick--W9UQ, Vice
President--Mark - AB9CD, Secretary--

-Tom - AB9EK, and Treasurer-- Les -
AB9EY. Dave will remain on to do the
auctions. Patrick took over the meeting
at 7:30pm. Patrick thanked the outgoing
officers for a job well done and went on
to say how he would like to see the
direction of the club move. Would like
to see more classes and helping new
hams.

The meeting broke at 7:35pm for the
nights program which was presented
by Jerry - WA9CGE. Jerry gave
demonstration on PSK31. He used his
own computer, radio and a homemade
dipole that was put up in the parking
lot. Jerry tried to make contact with
Sherm - KB9Q, but he had no luck. A
contact was made with WB4MNK who
was in Florida. Thank you Jerry for the
great program. The program ended at
8:45pm just in time for refreshments.

There were 41 in attendance at
tonight's meeting.

Respectfully submitted,



Tom, AB9EK
MRAC Secretary

Former President's Fairwell

Well, if you have lasted the last 4 years reading my tirades about amateur radio, MRAC, ARRL, any anything else I felt like, you've made it. You have read my last President's Letter. Starting this issue, it is the responsibility of Patrick W9UQ. He gets to write about what he wants.

I guess it is sort of expected that when someone leaves an office they should reflect on what great things they accomplished. Well, here goes. Anything that happened that was good during the last 4 years was not my doing, but that of the entire board and membership. If something bad happened, well then I guess that was my fault. By the way, I learned that from the best manager I ever had (thanks Jerry).

What good stuff did happen during the last 4 years? We got back into the license class business. The repeater moved to a better location with some better equipment. We re-instated the club auction. We had a few Field Days complete with satellite contacts, APRS, telescopes, 2M SSB, movies and more. We had a few Christmas Parties. Bart Jahnke - W9JJ of ARRL came out from Newington to speak at a club meeting. Don Michalski - W9IXG ARRL Wi SM came out from Madison to speak at a club meeting (and he wrote a lot about the club in the Section Manager reports in QST). You now get to read an electronic version of this newsletter. The club has a web site and email address to go with our PO box and phone number. We returned to appearing at larger local hamfests and have a new banner to help advertise us. We published an official club history. We raffled off a 10M station. We auctioned off a bunch of member surplus equipment and made some money at it. We held a successful 85th Anniversary Special Event operation. We returned to semi-profitability (that means we are not loosing money every year) and we have an operating budget.

What about not so good things that have happened during the last 4 years? We lost Ed Willie, Fred Krause, Dick Schlatterer, Elmer Gutknect, Phil Lehman, Orv Stewart, Jerry Melotik, Donna Cieszki, Walt Reid, Jack McLealand, Norm Russell and a few others.

I want to take this opportunity to officially thank those who had to listen to me rant and stepped up to do some work for the club. Of course this includes boards over the last 4 years, and those who do other work for the club like (in no particular order):

Matt - KB9PRC - Director, 1st VP, numerous meeting programs, repeater tech. committee, Field Day cook (sometimes),

Brian - K9LCQ - Director, 2nd VP, Club database, Field Day manager, email mail-

ing list, APRS and satellite Field Day stations, Club banner,

designed and printed 85th Special Event certificates, license classes

Jim - WB9LNU - Secretary, custodian, historian, A/V equipment, meeting room, Redemption Church liaison, club history, VE, Field Day equipment, license trustee

Les - AB9EY - Treasurer;

Ken - W9MOT - Treasurer, director, VE

Kate - KA9MWT - Director, VE

Tom - KF9PU - Director, VEC manager

Pancho - KA9OFA - Director, Chatter editor

John -WB9PSE - Director, Chatter mailings, Field Day tree climber, Field Day CW op, Xmas party coordinator, tower climber, refreshments

Tom - AB9EK - Director, 85th special event coordinator, designed and printed special event certificates, new Secretary John KF9XL - VEC manager, nominating committee chairman

Tom - N9UFJ - meeting raffles (with great help from Jacquie)

Alfred - KB9SLC - meeting refreshments

Myron - KA9MWV - meeting refreshments

Hal - KB9OZN - meeting refreshments

Al - AA9XH - Director, meeting refreshments, Friday night nets

Jerry - WA9CGE - Friday night nets, Field Day manager, Field Day equipment, donor of numerous homebrew antennas, Rick WB9GYT - Friday night nets,

Mark - AB9CD - 10M raffle, license classes, VE, VEC assistant mgr., new VP

Patrick - W9UQ - license classes, VE, new President, Field Day telescopes, movies

Tom - N1EE - VE, VEC assistant mgr.

Norm KB9GQX - Chatter mailing

Howard - KB9VJS - web page guy

Bill - W9EMC - license classes

Barbara - KB9TIV - Director, Chatter mailing, VE, Field Day cook

Ken KC4NX - license classes, VE

Vern - W9RYA - Xmas party location coordinator

Jack - W9ULA - nominating committee, past member who returned

Sherm - KB9Q - nominating committee, club P.R. through his email newsletters

Dick - WB9PTC - code practice, director, code practice, and more code practice

A number of the above also operated in the recent 85th anniversary special event and some have done programs for meetings. The club would not be functioning without them (many if not all of them have been Field Day participants too). Thanks to all those who have generously donated equipment for the club to auction off and helped to balance our budget. That wouldn't have happened without their help. There are too

many to mention them all, but Del - KA9ZMK, Bill - W9WCF, and Roger - W9UVV have donated a lot of great items (and brought a lot of money to the treasury).

I need to make some last "official" comments about Amateur Radio overall and especially locally. Amateur radio still has a PR problem. The public does not really know what amateur radio is. One cause of the problem is that as so called communicators, we really don't know how to communicate. However, even if we could improve our communication abilities, we have one other problem. I thought it was just a Wisconsin thing, but with regard to Amateur Radio this problem stretches well beyond the borders of Wisconsin. That is we often don't play well with others. We as a large group can not seem to get together and work for a common cause. Why work with some existing club when you can start your own club? Why help some other group with testing when you can start your own group? Why not start your own hamfest, repeater, food gathering, whatever? United we stand - divided we fall, remember that one? Sure not everyone wants to drive to the other side of town for a club meeting, or can't reliably hit some existing repeater, or like Chinese food. Sure not all humans are created alike. But does ham radio really have that many inflated egos? It is easier to achieve greatness when people work together, not work to separate.

Then there is yet another group, not those who want to be in charge so they must start their own club, repeater, whatever, but those who don't want to step up to bat. This ranges from people who really don't want to step away from their routine to do something for the good of a group, to those who feel that someone else can do a better job, so, (Why Try?). Then there are those who are quick to give advice but refuse to take responsibility by becoming bona-fide "leaders" not just back-seat drivers. What happens is the few people who do step forward are quickly used up and burned out as they get no help (at least none they can plan on). People say we need more hams, or why don't Techs upgrade and learn CW, yet these people don't volunteer to help teach a class, (*teach code*), or at least do some one-on-one mentoring (Elmering sounds like a goofy term). People don't like to listen to certain people on the air, but instead of turning their radio to a different frequency (if they actually know how) try to jam the other party (like that really makes a difference). If you don't like something, work to change it (run for office maybe). Some people seem to not want to try to change things, for if things did change as they would like, they would have nothing to moan and groan about (I wanted to use some other

Continued on pg 4

words, but I held back). If you don't want to work to make things better, tough, then just sit there and be quiet.

Well, enough of my ranting. I look forward to sitting in the back of the room again (just like in school). I wish the best of luck to the "new" guys. I hope everyone helps them as much as possible. I will be involved in some of our PR work and maybe some of our training efforts. I actually want to get on the air much more than I have been. And of course I need to figure out how to make money so my family can eat (anybody want to help me on that one?).

And finally, maybe you have not agreed with everything I have said or done in the last few years. Maybe not everything I did worked out, or everything I said was proper, but maybe it got you thinking for yourself and maybe actually doing something constructive. If you don't try something for fear of failure, just keep in mind what I consider the immortal words of Jonathan Winters, "Only the mediocre are at their best everyday."

73 and as President, SK

Dave B. Defeb
Dave WB9BWP

Our profound Thanx to our outgoing officers for all of their hard work on behalf of MRAC in particular and HAM radio in general:

Dave Defebo - WB9BWP

OOPS!!!!

At the May auction, a variac was bid on and won by Mark - AB9CD. Someone else picked up and paid for the item by accident. Please, bring the variac to the July meeting so the error can be corrected or call Mark directly.

Thanks. The Auction Management.

Please contact:

Mark W Tellier, AB9CD

8283 North 50th Street

Brown Deer, WI 53223-3605

Phone (H): (414)357-6522

Email: ab9cd@arrl.net

Release of Technician Syllabus

The Question Pool Committee of the NCVEC released the following Technician (Element 2) Syllabus into the public domain. This syllabus will be used to develop the new question pool for Technician Examinations starting July 1, 2003. All amateurs are encouraged to submit candidate questions to the QPC by Sept 15, 2002. These candidate questions should be sent via email to: qpc@arrl.org. Please adhere to the following guidelines when drafting candidate questions.

All questions must be no more than 210 characters (including spaces and punctuation) in length. All answers and distracters no more than 140 characters (including spaces and punctuation) in length. Identify the syllabus area (e.g. T4B). Identify the correct answer. If the question is rule based, identify the Part 97 citation. For technical questions, a reference is highly recommended (ARRL Handbook, Operating Manual, Robert Shrader's Electronic Communication Edition, etc). Examples of the format may be found in any license manual or at: <http://www.arrl.org/arrlvec/pool.html>. This syllabus will be posted on that website within a few days of this announcement.

The QPC appreciate the efforts of those who commented on the draft syllabus and is looking forward to receiving input from the Amateur community.

SUBELEMENT T1 - FCC Rules
[5 Exam Questions — 5 Groups]

T1A Definition and purpose of Amateur Radio Service, Amateur-Satellite Service in places where the FCC regulates these services and elsewhere; Communications Act, Part 97 and FCC regulation of the amateur services; Penalties for unlicensed operation and for violating FCC rules; Prohibited transmissions.

T1B - International aspect of Amateur Radio; ITU Regions, International and domestic spectrum allocation; Spectrum sharing; International communications; reciprocal operation.

T1C - All about license grants; Station and operator license grant structure including responsibilities,

basic differences; Privileges of the various operator license classes; General eligibility; License grant term; Modifying and renewing license grant; Grace period.

T1D - Qualifying for a license; Purpose of examination; Examination elements; Upgrading operator license class; Element credit; Provision for physical disabilities.

T1E - Amateur station call sign systems including Sequential, Vanity and Special Event; ITU Prefix; Call sign formats.

SUBELEMENT T2 — Methods of Communication [2 Exam Questions — 2 Groups]

T2A - How Radio Works; Electromagnetic spectrum; Magnetic/Electric Fields; Nature of Radio Waves; Wavelength; Frequency; Velocity; AC Sine wave/Hertz.

T2B - Frequency privileges granted to Technician class operators; Amateur service bands; Audio and Radio frequency; Unmodulated RF carrier; Emission types and designators; Modulation principles; AM/FM/Single sideband/upper-lower, international Morse code (CW), RTTY, packet radio and data emission types; Full quieting.

SUBELEMENT T3 - Radio Phenomena

[2 Exam Questions - 2 Groups]

T3A - How a radio signal travels; Atmosphere/troposphere/ionosphere and ionized layers; Skip distance; Ground (surface)/sky (space) waves; Single/multihop; Path; Ionospheric absorption; Refraction; Line of sight.

T3B - HF vs. VHF vs. UHF characteristics; Types of VHF-UHF propagation; Daylight and seasonal variations; Tropospheric ducting; Maximum usable frequency (MUF); Sunspots and sunspot Cycle, Characteristics of different bands.

SUBELEMENT T4 — Station Licensee Duties

[3 Exam Questions — 3 Groups]

T4A - Correct name and mailing address on station license grant; Places from where station is authorized to transmit; Selecting station location; Antenna structure location; Stations installed aboard ship or aircraft.

T4B - Designation of control operator;

Continued on pg 5

FCC presumption of control operator; Physical control of station apparatus; Control point; Immediate station control; Protecting against unauthorized transmissions; Station records; FCC Inspection; Restricted operation.

T4C - Providing public service; emergency and disaster communications; Distress calling; Emergency drills and communications; Purpose of RACES.

SUBELEMENT T5 - Control Operator Duties

[3 Exam Questions — 3 Groups]

T5A - Determining operating privileges, Where control operator must be situated while station is locally or remotely controlled; Operating other amateur stations.

T5B - Band selection; Selecting a transmitting channel; Transmitter power standards; Interference to stations providing emergency communications; Station identification requirements; Observing frequency boundaries.

T5C - Authorized transmissions, Prohibited practices; Third party communications; Retransmitting radio signals; Participation in message forwarding system; One way communications.

SUBELEMENT T6 - Good Operating Practices

[3 Exam Questions — 3 Groups]

T6A - Calling another station; Calling CQ; Sending messages; Typical amateur service radio contacts; Proper language; Courtesy and respect for others; Conducting Nets; Popular Q-signals; Signal reception reports; Phonetic alphabet for voice operations; Coordinated Universal Time (UTC).

T6B - Occupied bandwidth for emission types; Mandated and voluntary band plans; Internet linking.

T6C - TVI and RFI reduction and elimination, Band/Low/High pass filter, Out of band harmonic Signals, Spurious Emissions, Telephone Interference, Shielding, Receiver Overload.

SUBELEMENT T7 Basic Communications Electronics [3 Exam Questions — 3 Groups]

T7A - Fundamentals of electricity; AC/DC power; units and definitions of current, voltage, resistance, inductance, capacitance and impedance; Rectification; Ohm's Law principle (simple

math); Decibel; Metric system and prefixes (e.g. pico, nano, micro, milli, deci, centi, kilo, mega, giga).

T7B - Basic electric circuits; Analog vs. digital communications; Audio/RF signal; Oscillator; Bandwidth; Amplification.

T7C - Concepts of Resistance/resistor; Capacitor/capacitance; Inductor/Inductance; Conductor/Insulator; Diode; Transistor; Semiconductor devices; Step up/step down transformer; Filter; Resistor Color Code system; Electrical functions of and schematic symbols of resistors, switches, fuses, batteries, inductors, capacitors, antennas, grounds and polarity; Construction of variable and fixed inductors and capacitors; Factors affecting inductance and capacitance.

SUBELEMENT T8 - Good Engineering Practice [6 Exam Questions - 6 Groups]

T8A - Basic amateur station apparatus; Choice of apparatus for desired communications; Setting up station; Constructing and modifying amateur station apparatus; Station layout for CW, SSB, FM, Packet and other popular modes

T8B - How transmitters work; Operation and tuning; VFO; Transceiver; Dummy load; Power supply; Amplifier; Stability; Microphone gain; FM deviation; Block diagrams of typical stations.

T8C - How receivers work, operation and tuning, including block diagrams; Super-heterodyne including Intermediate frequency; Reception; Demodulation or Detection; Sensitivity; Selectivity; Frequency standards; Squelch and audio gain (volume) control.

T8D - How antennas work; Radiation principles; Basic construction; Half wave dipole length vs. frequency; Polarization; Directivity; ERP; Directional/non-directional antennas; Multiband antennas; Antenna gain; Resonant frequency; Loading coil; Antenna switch; Electrical vs. physical length; Radiation pattern; Transmatch.

T8E - How transmission lines work; Standing waves/SWR/SWR-meter; Impedance matching; Types of transmission lines; Feed point; Coaxial cable; Balun; Waterproofing Connections

T8F - Voltmeter/ammeter/ohmmeter/multi/S-meter, peak reading and RF watt meter; Building/modifying equipment; Soldering; Minimum tools needed for building kits; Making measurements; Test instruments.

SUBELEMENT T9 - Special Operations

[2 Exam Questions — 2 Groups]

T9A - How an FM Repeater Works; Repeater operating procedures; Available frequencies; Input/output frequency separation; Repeater ID requirements; Simplex operation; Coordination; Time out; Open/closed repeater; Responsibility for interference.

T9B - Auxiliary, beacon, satellite, space, EME communications; Radio control of models; Autopatch; Slow scan television; Telecom-mand; CTC-SS tone access; Duplex/crossband operation.

SUBELEMENT T0 - Electrical, Antenna Structure and RF Safety Practices [6 Exam Questions - 6 Groups]

T0A - Sources of electrical danger in amateur stations lethal voltages, high current sources, fire; avoiding electrical shock; Station wiring; Wiring a three wire electrical plug; Need for main power switch; Safety interlock switch; Open/short circuit; Fuses; Station grounding.

T0B - Lightning protection; Antenna structure installation safety; Tower climbing Safety; Safety belt/hard hat/safety glasses; Antenna structure limitations.

T0C - Definition of RF radiation; Procedures for RF environmental safety; Definitions and guidelines,

T0D - Radiofrequency exposure standards; Near/far field, Field strength; Compliance distance; Controlled/Uncontrolled environment.

T0E - RF Biological effects and potential hazards; Radiation exposure limits; OET Bulletin 65; MPE (Maximum permissible exposure).

T0F - Routine station evaluation

Scotty Neustadter
Chair, Question Pool Committee,
NCVEC

W4WW@arrl.net

"Hold the screwdriver by the fat yellow end"

Recent VE Exam Report

MRAC VEC A held VE testing on May 25, 2002 at AES in Milwaukee. There were 17 candidates, and 12 were successful in either upgrading or in qualifying for their first license. 21 exam elements were given, and 14 were passed.

Since this exam session occurred on a holiday weekend, I am grateful to the following VE's for helping at the session:

Doug Awe - N9VA

Mark Bye - KB9LDX

Tom Czaja - KG9EE

Pancho Doneis - KA9OFA

Bob Hensiak - AB9EZ

Kate Kedney - KA9MWT

John Kraak - KF9XL

John Merkl - WB9PSE

Mark Tellier - AB9CD

Jerry Thompson - W9SFH

Jim Tromblay - WB9LNU

The **next MRAC VEC A exam session** is scheduled for **July 27, 2002 at AES**. Please keep in mind that the **New Amateur Extra question pool** went into effect July 1, 2002.

73,

John (KF9XL)

John KF9XL

MRAC VECA Exam Schedule

Sat. Jul. 27, 2002
9:30 AM - - - AES



Future of Hamateur Chatter

Re: The bimonthly issues of 'Chatter.

I have mixed feelings about the 'Chatter coming out every other month as opposed to monthly issues.

I like it in that it's a more relaxed pace to do it. It's also cheaper for the Club.

I don't care for it because it (the 'Chatter) seems to have become more of a history letter than a newsletter because some of the items are outdated before the 'Chatter comes out. There aren't as many opportunities to make certain announcements and put applications and registration forms in. SK's and noted illness can be at least a couple of months old before press time. What happens at a Club meeting or event or other item may be more than two months old before it can be brought to people's attention. It makes it hard to publicize such things as HAM classes, Field Day, special events, Christmas parties, etc.

Every six weeks doesn't work very well, either. It makes it difficult to schedule and gather information and items to put in.

I wonder if the 'Chatter has become not as important, lately. Is it really needed? What, if anything should be done with it or about it? I'd like some input.

I've tried to make it an important part our HAM community.

I think that going digital with the 'Chatter was a good thing. It saves the Club quite a bit in printing and postage and it does allow for easy distribution. But, quite a few of our members do not have the proper equipment or knowledge to acquire the 'Chatter electronically.

I do think that The 'Chatter could be an important part of getting the word out about our Club. I have at various times left issues with AES, at various swapfests, and VE sessions.

What do you think? Is it worth the time and energy and the ex-

pense? Is it worth producing every month?

Is our hobby boring, interesting, fun, or exciting? Let's hear from you. I'd like to hear/read what caused you to become interested in HAM radio. Who were your Elmers? What caused you to stay with the hobby? What are your interests in HAM radio: CW, SSB, APRS, RTTY, Satellite communications, Field Day, moonbounce, ATV, Packet radio, HF, VHF, UHF, QRP, radio control, computer control of HAM station, radios that glow in the dark, building antennas, building transmitters or receivers, SWL, spread spectrum communications, repeaters, special events, facsimile, WEFAX, slow scan TV, message handling, old time radio sounds, just to name a few? What's yours.

If you have anything to contribute, please, phone me at (414) 344-4694, or write me at 1958 N. 38th St., Milwaukee, WI, 53208, or Email me at pancho@thepark.net.

Pancho

Pancho - KA9OFA

LANDMARK BILL

COULD PROVIDE AMATEURS RELIEF FROM RESTRICTIVE COVENANTS

A bill introduced in Congress this week (*in May*) could provide relief to amateurs prevented by private deed covenants, conditions and restrictions — CC&Rs — from installing outdoor antennas. Rep Steve Israel (D - NY) introduced the "Amateur Radio Emergency Communications Consistency Act" on May 14. The bill has been designated H. R. 4720. Rep Greg Walden, WB7OCE (R - OR)—the only Amateur Radio operator in Congress—and Rep Pete Sessions (R - TX) have signed on as original cosponsors.

With respect to ham antennas, the measure would subject private land-use regulations to the PRB - 1 limited federal preemption that now applies only to governmental zoning and land-use regulations. It contains but one sentence: "For purposes of the Federal Communications Commission's regulation relating to station antenna structures in the Amateur Radio Service (47 CFR 97.15), any private land use rules applicable to such structures shall be treated as a state or local regulation and shall be subject to the same requirements and limitations as a state or local regulation."

H. R. 4720 is expected to be assigned to the Telecommunications and Internet Subcommittee of the House Energy and Commerce Committee.

Israel, whose father, Howard, is K2JCC, noted in a statement read into the Congressional Record that the FCC does not now apply PRB-1 consistently. "My bill addresses this issue and provides amateur radio licensees with the ability to negotiate reasonable accommodation provisions with homeowners' associations, just as they do now with public land-use regulators."

After the ARRL ran into a brick wall trying to convince the FCC to include CC&Rs under PRB - 1, the League's Board of Directors agreed to pursue a congressional remedy. ARRL President Jim Haynie, W5JBP, and other League officials met with Israel, Walden, Sessions and others on Capitol Hill earlier this year to discuss the prospect of such a bill and how it should

be worded. With the proposal now in the legislative hopper, Haynie urged ARRL members to write their members of Congress and voice support for the measure.

Haynie said the important thing to point out is that the bill, if passed by both houses of Congress and signed by the president, would give amateurs living under CC&Rs an opportunity for reasonable accommodation they don't have now.

Visit the US House of Representatives "Write Your Representative Service" Web page <<http://www.house.gov/writerep/>> for information on how to contact your representative. A sample letter is available on the ARRL Web site <<http://www.arrl.org/news/stories/2002/05/14/102/sample-letter.html>>.

ARRL requests those writing or E-mailing members of Congress to copy ARRL on their correspondence — via E-mail to ccr-bill@arrl.org or via US Mail to CC&R Bill, ARRL, 225 Main St, Newington, CT 06111. Include the bill number — H. R. 4720 — your name and address on all correspondence.

MRAC Field Day 2002!

The Milwaukee Radio Amateurs' Club again this year had its FIELD DAY operations at Pioneer Village in Fredonia. As the chairman of field day this year I wish to thank all of the people that made this a very successful event. There were 24 amateur radio operators that signed in and helped to do all the tasks necessary to setup for the two day event. In spite of the weather, and some poor radio signal conditions, the operators were able to log a total of 337 Phone contacts (SSB and FM), 23 CW contacts, and 24 Digital (PSK31) contacts. Since we operated W9RH as a class 4A station (4 transmitters on the air at any given time) W9RH accumulated 2 points for each of the total 384 contacts and a times 2 power multiplier for operating all transmitters below 150 Watts input, for a grand total of 1536 operating points. An additional 600 "Bonus Points" were accumulated by 1). notifying the radio and print media of our location, 2). being "Setup in a Public Place" (Pioneer Village), 3). providing an Information Booth and literature

SK-W9ITD

Ray Truemner, W9IDT, a long-term active ham since 1935 passed away on July 4, 2002 at the age of 86. He was a retired electrical design engineer from Heavy Duty Electric.

Ray, an Eagle Scout, had been the Scout Master that opened Troop 77. In addition he had been a District Scout Commissioner for Waukesha Co., a merit badge councilor and recipient of the adult Silver Beaver Award.

Always active, he started bicycling in 1980 (age 74) and won the Firehouse 50 in 1988-1993. He cycled across Wisconsin from Lacrosse to Port Washington and in Door County and Iowa.

Ray had a web page devoted to birds and had several feeders in his yard. A past gardener he still had beautiful wild flowers, that were enjoyed by all.

He was a loving, caring husband; father; and neighbor. He will be sorely missed.

Cherri Riedel

XYL of KA9AJF

of how to become an amateur operator, 4). W9RH operators were able to copy the A.R.R.L. Field Day bulletin in two (2) modes (CW & PSK31), 5). two Satellite QSO's were completed, and 6). operators were also able to demonstrate natural power communication QSO's by battery and solar cell power. Also a number of QSO's were completed on QRP (less than 5 watts). So, adding the Operating (QSO) Points and the Bonus Points together, W9RH had a total claimed score of 2136 points. (Also, we had some extracurricular activities again this year, and I wish to thank those of you who brought out telescopes and other types of entertainment to our event. It was enjoyed by all attending.)

As chairman of this event I wish to again express my heart felt "THANKS TO EVERYBODY" for making this years field days 'GREAT DAYS!!!'

Respectfully submitted,
WA9CGE - Jerry

For Sale by Jim

1. Kenwood TS- 440 with power cords mic and manuals. - \$450.⁰⁰. Very good working condition.

2. Yeasu FT - 757 GX in mint condition. With manuals. \$500.⁰⁰

3. Swan Electronics 2000 watt power meter and SWR bridge 3.5 - 30 MHZ. Very good condition \$75.⁰⁰

4. MFJ 1278B Multimode data controller. Mint. \$175.⁰⁰.?

5. Kantronics KPC - 3 Packet interface with MFJ 1272MYV - microphone TNC switch Mint. \$150.⁰⁰

6. Siltronics 100 watt mini SWR/Power meter \$10.⁰⁰

7. MFJ 482B Grand Master memory keyer. \$50.00

8. Pyrod 80' self supporting tower. 4-20' sections. This is a painted tower with solid vertical legs and cross members. Very heavy duty! Requires new coat of silver paint before assembly. Was originally a repeater antenna tower. \$400.00. You pick up. Tower is down and disassembled. Must use new bolts to install.

9. Heathkit SB -110 - 6 meter only transceiver. Pair of 6146's in final. \$150.⁰⁰.

10. Matching Heathkit SB-600 speaker with built in powersupply for above radio. \$75.⁰⁰

11. Matching Heathkit SB-500 2meter SSB and CW transverter 100 watts \$100.⁰⁰

12. Heathkit 20 meter mono - bander 14.2-14.350 SSB 120 watt transceiver. With mobile P.S. Requires a antenatuner! \$ 100.⁰⁰

Jim WB9LNU

JIM - WB9LNU
(262) 968-2724

For Sale from W9PWG's Estate

The following items are for sale by the YL of Ed Wille, -W9PWG.

All equipment has not been used since Ed passed away three years ago. Some is in like new condition and most all are complete with manual.

1) HAL DS-3000 KSR video RTTY terminal complete with 9" monitor. \$50.⁰⁰

2) Chrome Bencher electronic keyer paddle \$25.⁰⁰

3) 40' tower similar to Rohn 25, exact brand unknown. \$40.⁰⁰

4) Shall Cross Decade voltage divider (test equip.) \$2.⁰⁰

5) Hunter Bandit 2000A Linear amplifier (condition unknown, uses 4-572 tubes condition of power supply also unknown) \$400.⁰⁰

6) Kenwood TS-520 transceiver with hand mic. (operates from 110 VAC) condition unknown. Has some tubes and some solid state. Also has digital read-out add-on that sits on top. \$250.⁰⁰

8) Western Union 1946 Model 15 RTTY machine. Was working when Ed died. \$20.⁰⁰

9) Western Union Model 14 tape perforator transmitter. Condition unknown \$10.⁰⁰.

10) Western Union Model 12 tape reader/transmitter \$10.⁰⁰

11) MFJ Model 498 CW key board (complete and in new condition) \$50.⁰⁰

12) Heathkit Cantenna 50 ohm (can handle a KW for short duration) and oil cooled \$10.⁰⁰.

13) MARS Co. SWR bridge model unknown \$5.⁰⁰

14) MFJ 723 audio CW notch filter (install between rig and speaker) New Condition \$10.⁰⁰

15) Kenwood Model PC-1A phone patch \$5.⁰⁰

16) Tektronics 2225 dual trace oscilloscope (50 MHZ) Like New Condition with manual and probe and built in cover and handle \$400.⁰⁰

17) Simpson Model 303 volt meter (VOM) \$25.⁰⁰

18) B&K Model 161 transistor tester \$10.⁰⁰

19) Eico resistance/capacitance bridge Model 950B \$10.⁰⁰

20) Sylvania VTVM (collector test equip.) Type 134 \$10.⁰⁰

21) Eico audio signal tracer/amp. (test equip.) Model 145 \$5.⁰⁰

22) Two General Radio precision capacitors Model 1422 \$20.⁰⁰ each

If you are interested in any of these items, please call **Sue Wille @ 414-461-5961** and she will arrange for you to pick it up from her QTH.

Bring your check or cash along!

Invitations

You're invited to join us at breakfast at **Maxim's Restaurant** at roughly **180th and Capitol** every Saturday morning (give or take a Swapfest or other event) at **8:00AM**. Good food an lots of good fellowship, etc.

Also, join us in our **W9RH Friday Night Nets** every Friday. **Ten Meter net** meets at about **8:30 PM** at about **28,490 KHz**.

Two Meter net meets at roughly **9:00PM** or when the 10 Meter net is done on our repeater at **147045MHz +**.

Get to know the folks who show up there.

EVENTS

* indicates VEC Testing

MRAC General meeting
THU. - JUL. 25, 2002
7:00 PM

Redemption Lutheran Church
Milwaukee, WI

VEC HAM Exams
SAT - JUL. 27, 2002
9:00 AM
AES
Milwaukee, WI

Circus City SwapFest
SAT. - AUG. 10, 2002
Sauk Co. Fairgrounds
Baraboo, WI
T/I on 147.315 + (123.0 PL)

Peotone HamFest *
SUN. - AUG. 11, 2002
Will Co. Fairgrounds
Peotone, IL
T/I on 146.52 simp.

SummerFest 2002 *
SUN. - AUG. 11, 2002
SummerFest Grounds
Amana, IA
T/I on 146.745/145 MHz rpt
or 146.52 MHz simp

Greentown HamFest *
SUN. - AUG. 11, 2002
Greentown Lion's Club Fair-
grounds
Greentown, IN
T/I on 147.24 & 146.79 MHz

Bolingbrook
HamFest 2002 *
SUN. - AUG. 25, 2002
Inwood Recreation Cntr.
Joliet, IL
T/I on 147.33+ rpt and
224.54- rpt

MRAC General meeting
THU. - AUG. 28, 2002
7:00 PM
Redemption Lutheran Church
Milwaukee, WI

Peoria SuperFest 2002 *
FRI.-SUN SEP. 13-15, 2002
Exposition Gardens Fairgrounds
Peoria, IL
T/I on 147.075(+)
FCC testing - Sun. Only

Radio Expo 2002 *
SAT. - SUN. SEP. 21 & 22, 2002
Lake Co. Fairgrounds
Grayslake, IL
T/I on 146.16/76 (107.2 PL) rpt.

Peoria SuperFest 2002 *
Amateur Radio and Computer Show
FRI-SUN. - SEP 20-22, 2002
Exposition Gardens
Peoria, IL
T/I on 147.075+

MRAC General meeting
THU. - AUG. 28, 2002
7:00 PM
Redemption Lutheran Church
Milwaukee, WI

Please, use our Repeater.

Use it or lose it.
147.045 MHz + offset.

Meeting Schedule

Our Meeting schedule for the
the remainder of the year 2002
is as follows:

Thu. - Jul. 25, '02
Thu. - Aug. 29, '02
See you there!

Pancho

Pancho - KA9OFA

Credits

Our thanks to our news contributors
this month:

WB9BWP	WB9LNU	KB9RLB
AB9CD	KF9PU	W9UQ
WA9CGE	KB9Q	KF9XL
AB9EK	Cherri Riedel	

Thanks also to Mark Tellier -
AB9CD, and Rita Doneis for their
help in the proofreading dept. Our
thanks goes to John Merkl for mak-
ing sure that the 'Chatter gets print-
ed, stamped, and mailed.

Thanks also goes to Howard Parks
who administers our website.

Thanks also to Alfred Huwald and
Myron Hendrickson for obtaining
and serving refreshments at our
meetings.



Thanks also goes to Tom Sherl-
owsky and Jacquie Horwitz for tak-
ing care of the raffle at the meetings.

Thanks John Kraak and Tom
Fuszard who our VEC's

Special thanks to all of our offic-
ers (past and present) who have tire-
lessly toiled for the good of the Club
and Amateur Radio in general.

Many Thanks!

MRAC

Meetings are held the last Thursday of each month except in December. Our next meeting is;

Thursday - July 25, 2002.

at 7:00 PM at:

Redemption Lutheran Church

Fellowship Hall

4057 N. Mayfair Rd.

(Use the south entrance)

HANDICAPPED ACCESSIBLE

Please! **Don't** call the Church
for information!

Celebrating
85 Years!

Attention!!!

July 25, 2002
meeting.

7:00PM

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Our Phone (262) 797-MRAC

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P.O. Box 070695
Milwaukee, WI 53207-0695

M.R.A.C.

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